



# ABB-Welcome door entry system

## Convenient and easy to use

Flexibility, simplicity and elegance are becoming key factors for an enjoyable door communication experience.







# ABB-Welcome door entry system for apartment buildings



With a wide range of well-designed products, ABB-Welcome has the answer to all your needs in any context, both for new buildings and renovation.

The elegant ABB-Welcome has a modern and clean design, which is well suited for all interiors and surroundings. The ABB-Welcome range is simple yet impressive.

01



02



03



- 01 4,3" video hands-free indoor station with induction loop
- 02 4,3" guard unit with desktop bracket spare parts
- 03 Audio handset indoor station with induction loop



# Flexibility

## One solution for all requirements

Whether for a single family house, a row house, a highrise building or a residential complex with a higher security requirement to screen all incoming calls, ABB-Welcome provides a solution for them all.

Thanks to the extremely versatile 2-wire bus system, the new ABB-Welcome range is easy and comfortable to install and use. Due to its ease of installation, ABB-Welcome is a installer-friendly solution, and has a suitable product offering for all needs.



# Timeless design and ease of installation



Operation of the indoor station is simple. Whether you are a resident or a guest, its simple operation and the illustrative symbols of basic functions provide for an intuitive and easy user experience.

The graphical user interface of the indoor station uses intuitive symbols, which are easy to understand and operate.



Language



Log, alarm and call history



Call history



Deletion not allowed



Intercom call (indoor station), call menu (guard unit)



Door unlock



Reset to factory default



Reject



Call menu



Confirmed

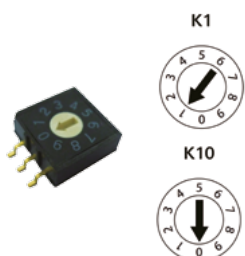


Information menu

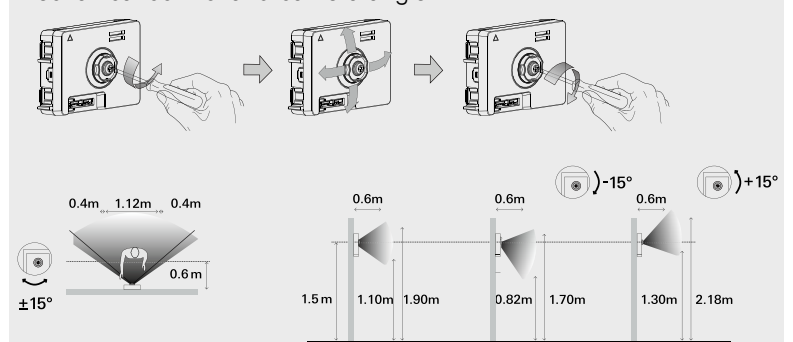


Easy to install. The indoor and outdoor stations are pre-assembled, which makes installation an easy, quick and enjoyable experience for both surface and flush mounted versions.

Commissioning of the system is often time consuming, complex and expensive. Thanks to the decimal rotary switches or decimal jumpers design, commissioning becomes much easier and cost-efficient.



Mechanical control and camera angle



- 01 Rain hood
- 02 Flush-mounted box
- 03 Outdoor station







Vandal proof: IK07  
Water proof: IP55  
Camera angle: 104°



# Outdoor station

## Built to last

The outdoor station has undergone stringent tests under simulated conditions. The units have been tested to endure tropical heat of up to 70 °C, extreme cold of -40 °C, salty sea air, heavy rain, and the long-term impacts of ultra violet radiation. In addition, the outdoor station must comply with and fulfill a number of directives and standards, including electromagnetic compatibility, the Disabled Discrimination Act, ROHS, static current and so on. Every button, housing and seal has passed through different kinds of physical stress tests for thousands of times before it has finally been introduced to the market.



Extreme heat	Extreme cold
Lightning protection	Anti-static

# Outdoor station

## Design meets functionality

### Anti-fog camera lens

The camera module is equipped with high-quality anti-fog coating and a built-in heater. This double protection ensures that the image will always remain clear and sharp.



### Infrared light

An infrared LED light ensures a clear view of the visitor even when it is dark outside. The infrared LED is built-in in the camera unit.



### Automatic night lighting

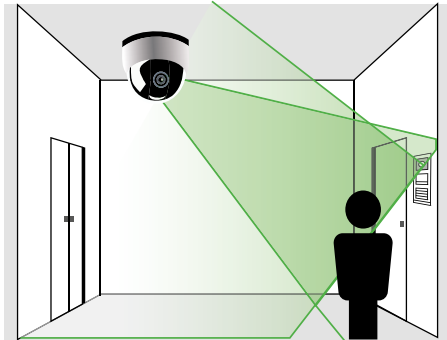
During dark hours the buttons of the outdoor station will be lit by a backlight, which switches on automatically thanks to a light sensor integrated in the audio module.





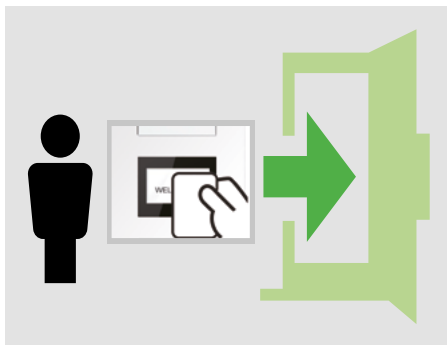
# Outdoor station

## Convenient additional features



### Additional camera module widens the monitoring range

When the video outdoor station is integrated with an analog camera, the field of vision and monitoring range can be significantly enlarged.



### Access by ID card

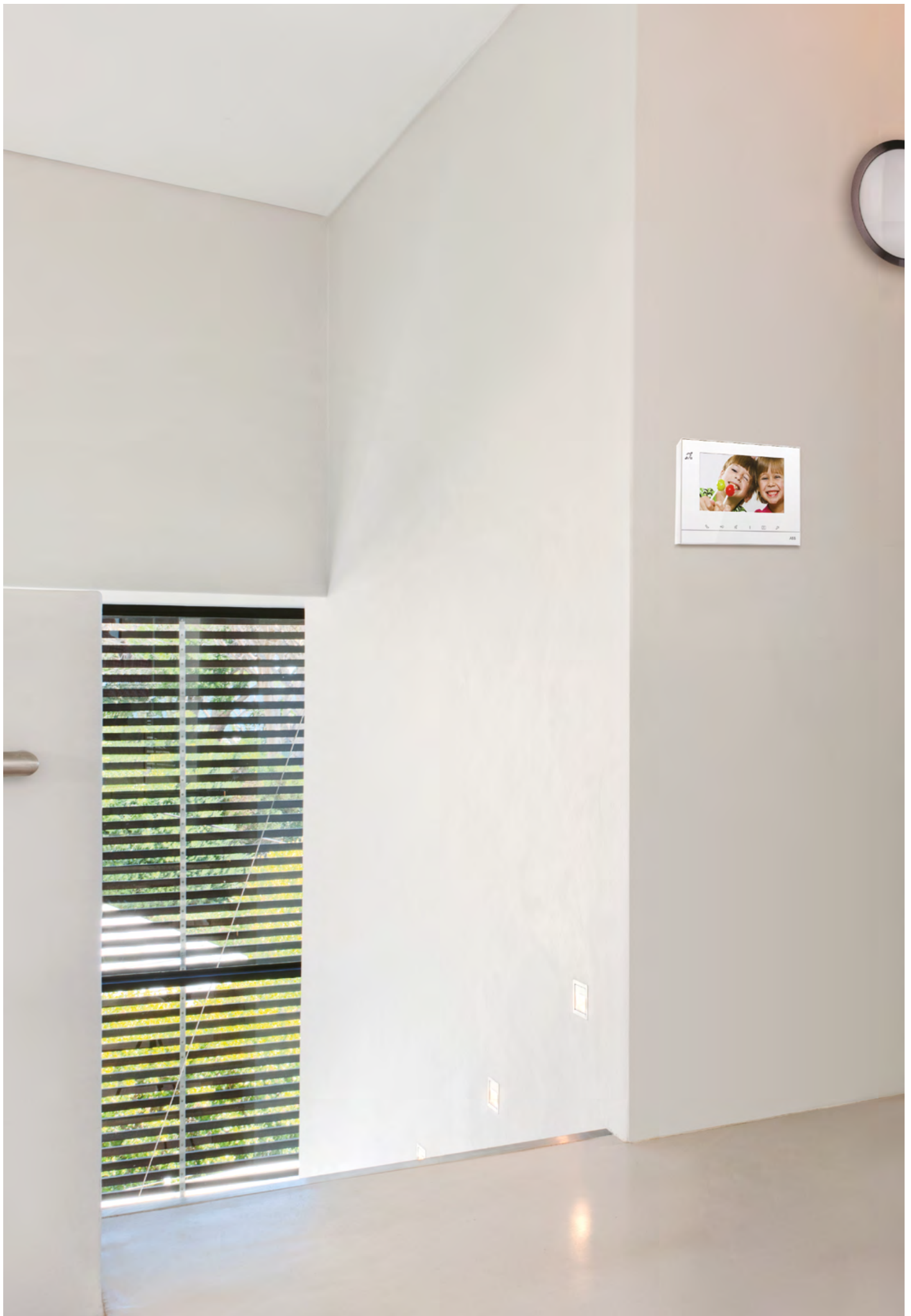
Access control is also available in ABB-Welcome. A proximity reader is integrated in the LCD module for convenient access by authorized users.

Supported RFID-cards (125kHz according to ISO18000-2 standard) are EM4100, EM4205, EM4305, EM4450, TK4100, T5567 / T5577 compatible HID 2. The in-built Wiegand output makes it easier to integrate into possible third party access-control systems.



### Passcode access

The keypad module can also be used as a mode of access. The passcode for access can be customized. Users can set their passcode through the settings menu in the video indoor station.





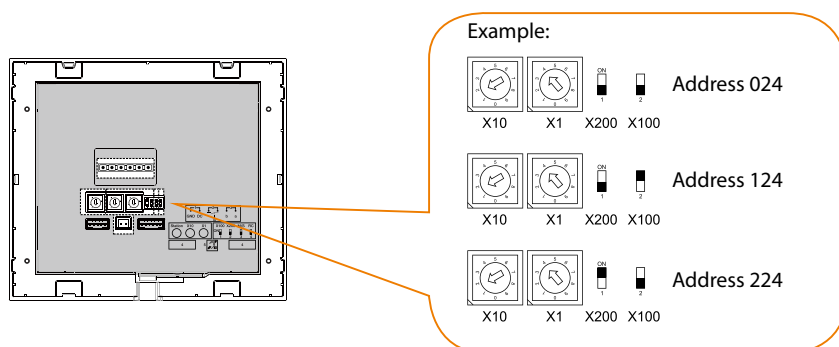
# Video indoor station

## Born to adapt

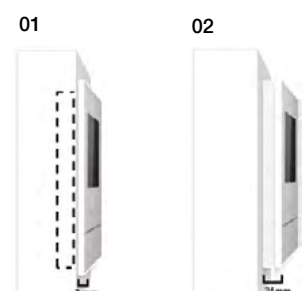


The simple, elegant, modern and discreet 4,3" handsfree indoor station is perfect in any living environment – available in a flush mounted, a surface mounted and a desk based version. The large color screen and backlit soft-touch buttons are user friendly. ABB-Welcome is equipped with an induction loop for people with hearing-aids.

Setup of 4,3" video indoor station

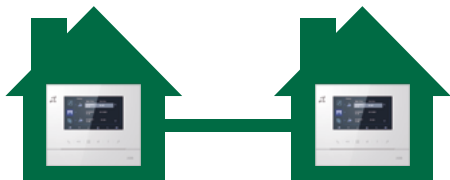


- 01 Flush mounted, depth 7 mm
- 02 Surface mounted, depth 26 mm



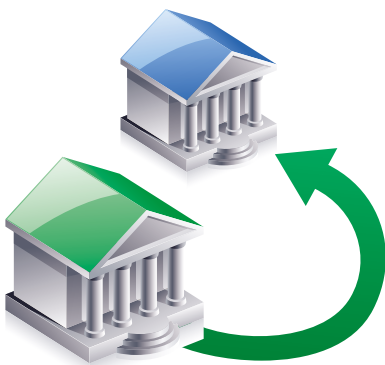
# Video indoor station

## Advanced features



### Intercom

Intercom service to other apartments is available. To be safe, unwanted callers can be blocked. Pager function is also possible between parallel 4,3" video hands-free and handset indoor stations.



### Call forward

Incoming calls can be forwarded when absent. You can choose to forward calls to neighbors or the security guard.



### Automatic unlock

A simple on/off setting or an advanced automatic unlock between 2 time ranges (e.g. 8.30–12.00 ja 14.00–17.30) can be set from the indoor station.



### Interaction with guard unit

Calling or sending an SOS message to the guard unit is easy. It is also possible to let the guard unit intercept calls (available to all end users or selected VIPs).



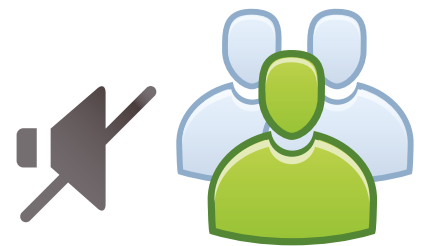
### User-friendly design

The outdoor station can signal communication status with both LEDs and voice broadcast. An induction loop is included in the indoor stations. These functions make it easier for people with hearing or seeing disabilities.



### Muting functions

It is possible to mute the indoor station to avoid interruption. You can choose to mute one indoor station or all of the parallel stations located in the same apartment.



### Image saving

Users can take a snapshot of visitors manually during conversation. When absent, the outdoor stations can automatically take a snapshot of all visitors who have buzzed.



# Video indoor station



The functions of the indoor video station are easy to use due to the clear symbols.



#### Communication

Accept and end calls; activate the pager function.



#### Door opener

Open electric door lock; activate automatic unlock function.



#### Surveillance

Switch image between different outdoor stations and analog cameras. Snapshot of visitor either manually or automatically.



#### Mute function

Switch off the microphone of indoor station during a conversation; mute one/all indoor stations.



#### Programmable button

For customized function, e.g. intercom, second lock control, relay actuator control for light switch or additional lock, etc.



#### Settings

Individual configurations.



# Guard unit and audio handset

## Guard unit

4,3" touch screen for easy operation. Manually or automatically set the intercept mode to increase the security for all users or VIPs.

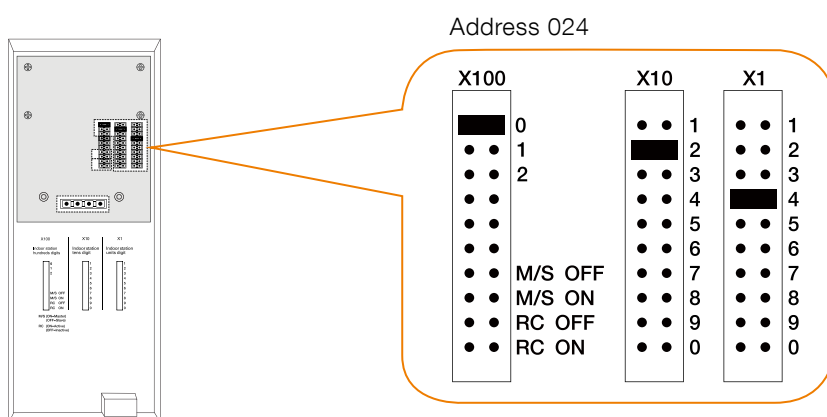


## Audio handset indoor station

One easy push button for unlocking and 2 additional buttons that can be configured for different functions, e.g. intercom, door status check, second lock release, calling the security guard, etc.



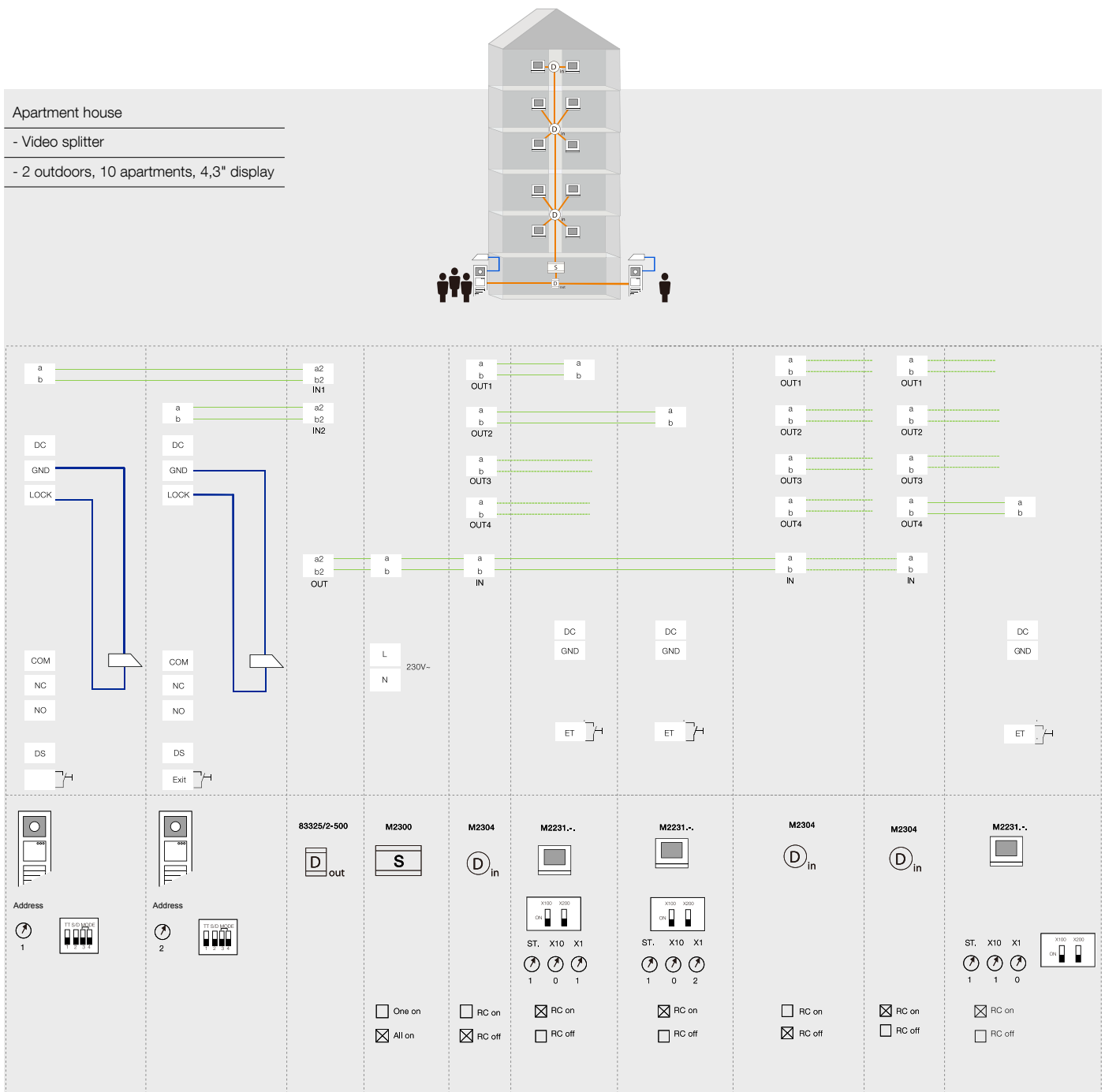
## Settings of audio handset



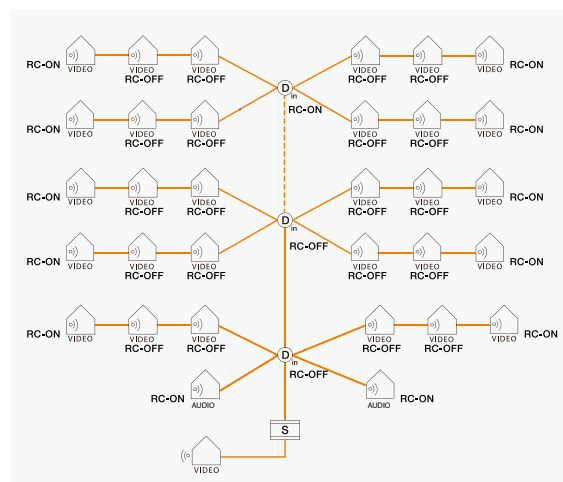
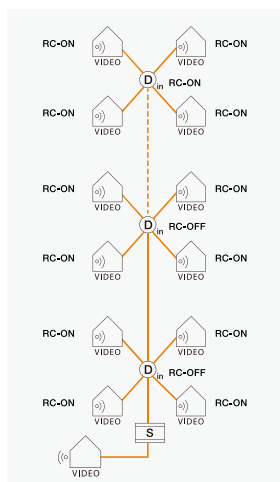
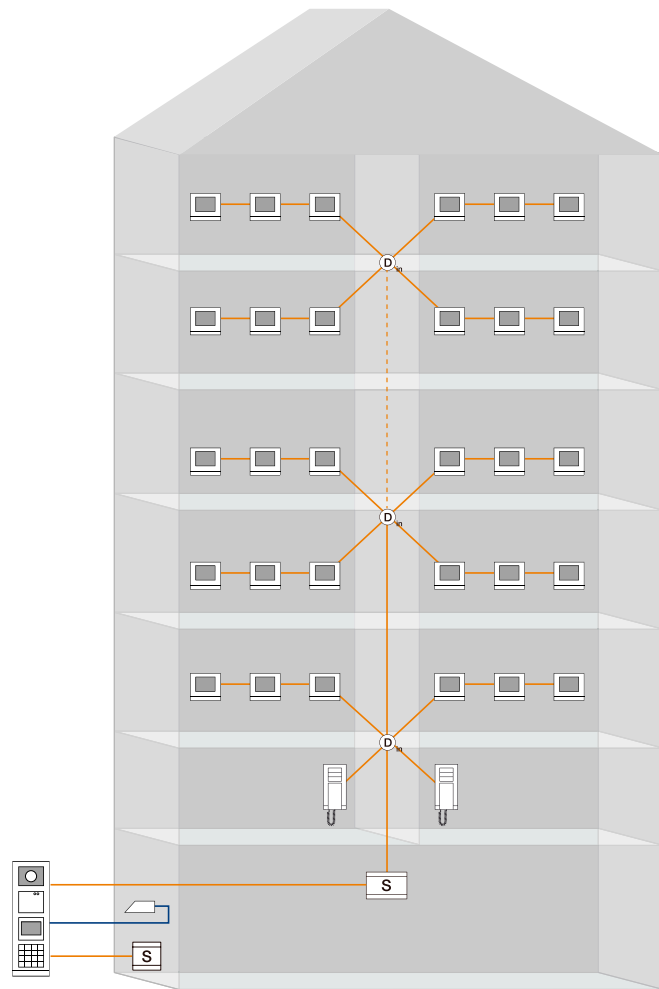
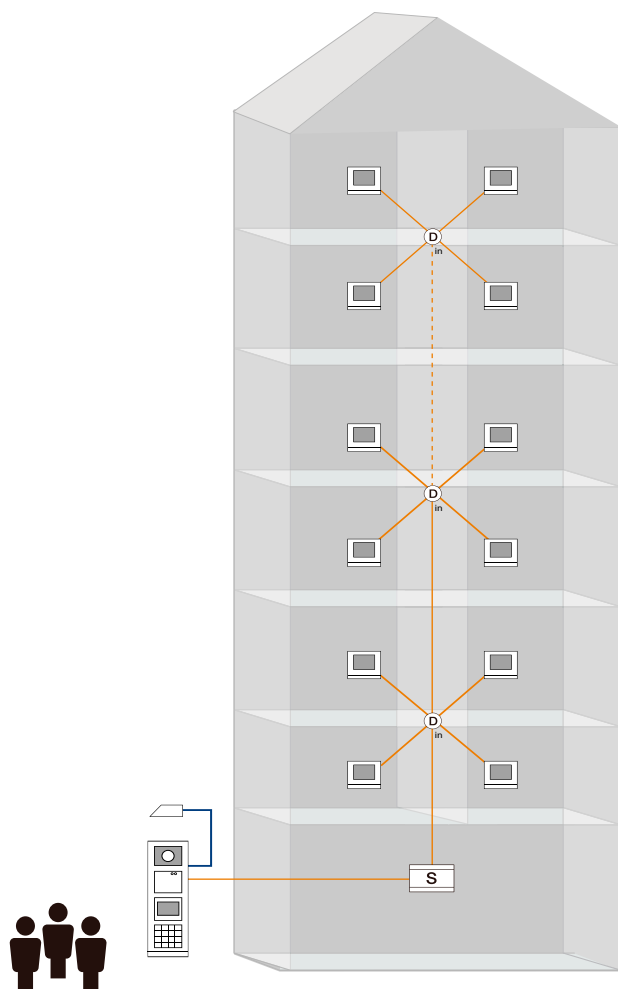
# Capacity and topology

## Easy, flexible and versatile

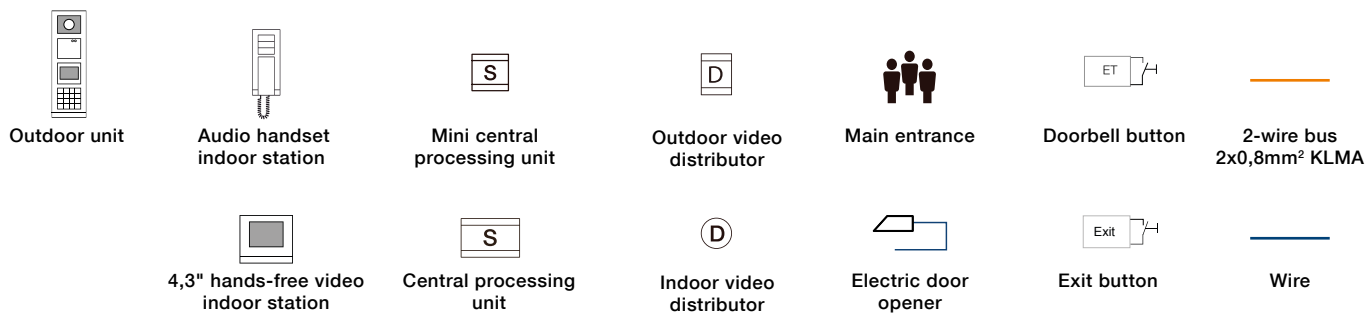
- 2 wire through system
- 2 locks possible per one outdoor station
- 9 outdoor stations in one building
- 9 guard units
- 60 buildings
- 250 indoor stations in one building
- 600 meters from gate station to last indoor station
- 15 000 apartments in one system







### Symbols:



# ABB-Welcome door entry system

## Outdoor units



### Ready-made outdoor unit

4-gang outdoor unit with camera modul, audio modul with speech synthesis, display with RFID-card reader and keypad.

Type	EAN	Description	Package
M21351K-A	6955891802582	Outdoor unit keypad speech synthesis	1/25

### Cover Frames

2-, 3- and 4-gang brushed aluminium front cover frames.

Type	EAN	Description	Package
51022CF-A	6955891801745	Cover frame size 1/2 Welcome	1/34
51023CF-A	6955891801752	Cover frame size 1/3 Welcome	1/22
51024CF-A	6955891801769	Cover frame size 1/4 Welcome	1/22

### Installation boxes

Installation boxes for 2-, 3- and 4-gang cover frames. Aluminium.

Type	EAN	Description	Package
41022F	6955891801868	Flush mounted box size 1/2 Welcome	1/19
41023F	6955891801875	Flush mounted box size 1/3 Welcome	1/12
41024F	6955891801882	Flush mounted box size 1/4 Welcome	1/12

### Rain Hoods

2-, 3- and 4-gang outdoor units to improve from IP54 to IP55. With rainhood possible to install installation boxes also on surface. Aluminium.

Type	EAN	Description	Package
51022RH	6955891801929	Rain hood size 1/2 Welcome	1/14
51023RH	6955891801936	Rain hood size 1/3 Welcome	1/8
51024RH	6955891801943	Rain hood size 1/4 Welcome	1/8

### Modules

Fits to front covers audio module is a must, other modules you can choose freely by customer needs.

Type	EAN	Description	Package
M251022A-A	6955891801639	Audio module 1-row pushbutton Welcome	1/12
M251021P3	6955891801707	Pushbuttons module 3-row for 3/6 calls Welcome	1/10
M251021P4	6955891801714	Pushbuttons module 4-row for 4/8 calls Welcome	1/10
M251021K-A	6955891802407	Keypad module Welcome	1/10
M251021C	6955891801615	Camera module Welcome	1/12
M251021CR	6955891802445	Display module with card reader Welcome	1/10
51021DN	6955891801721	Nameplate module Welcome	1/10

### Accessories

It is used when more than one flush mounted box (size 1/4, 41024F) needs to be connected together.

Type	EAN	Description	Package
51021J	6955891802704	Joining fixture Welcome	1/10



# ABB-Welcome door entry system

## Indoor units



### Audio handset indoor station with induction loop

Audio handset indoor station. Big operation button (3 or 6 buttons are optional). One-man commissioning with decimal jumpers. Extra buttons for customization like intercom, call guard unit, unlock additional door, etc. 5 ringtones for different call sources 3-level adjustable volume(max-mid-mute). Doctor function for automatic unlock upon setting. Visual indication of the door when it is open exceed its setting time (Sensor must be connected first). Induction loop installed as a standard for the deaf. Surface mounted. 198mm x 81mm x 43mm.

Type	EAN	Description	Package
M22003-W	6955891802056	Audio handset indoor station with induction loop	1/25



### Video hands-free indoor station 4,3"

4,3" display with 6 touch-sensitive buttons (resolution of 480\*272 pixel) OSD menu with user friendly icons. Extra button for customization like intercom, call guard unit, unlock additional door, etc. Pager function is available for parallel indoor stations Up to 60 images can be saved. Visual indication of the door when it is open exceed its setting time (Sensor must be connected first). Call transfer among different apartments and guard unit Push to talk in case in noisy situation. Set customized door open password. Blacklist is used to prevent unwanted call from other apartment(s). Doctor function for automatic unlock upon setting. Mute one indoor station or all indoor stations in the same apartment. Send SOS alarm to guard unit in emergency. Allow 5 ringtones to differentiate a call from default OS / other OS / door bell / intercom / guard unit. 5-level adjustable volume. Special mark on communication & unlock button fitted for the blind. Get the user manual link easily by scanning the QR-code displayed in the screen. Induction loop fitted for the deaf. Up to 250 addresses are available for programming. One-man commissioning with decimal rotary switches. Surface mounted, flush mounted and desktop mounted (with the desktop bracket ) are optional. 137mm x 155mm x 24mm.

Type	EAN	Description	Package
M22313-W	6955891802155	4,3" Video hands-free indoor station with induction loop	1/28



### Flush mounting box for 4,3"

Metallic flush mounting Box for 4,3" hands-free display. With flush Box installation comes out off the Wall only 7mm compared without 24mm. Width 145mm, height 125mm and depth 27mm.

Type	EAN	Description	Package
42311F	6955891802469	Flush mounting box for 4,3"	1/60



### Guard unit 4,3" display white handset

4,3" touch screen for intuitive operation(resolution of 480\*272 pixel). 6 touch-sensitive buttons  
Intercom between guard unit and indoor station, outdoor station or other guard unit. Manually or automatically set the intercept mode, to increase the security for all users or only VIPs  
Name scrolling by up and down or efficiently by inputting letters of the calling name(sorting is progressive upon inputting next letter of name). The calling code can be pure number or the combination of number and letter.  
Download name directory from PC by USB interface or directly enter to edit from the screen. Up to 1000 names can be stored. Activate the switch actuator connected in the system. Surveillance through the camera of outdoor stations or integrated analog camera. Review unanswered calls and alarm messages stored in the memory. Allow 5 ringtones to differentiate a call from default OS / other OS / indoor station / door bell / guard unit. Get the user manual link easily by scanning the QR-code displayed in the screen. Separate basic and advanced setting to improve the management security. Total up to 9 guard units for each building. Both surface mounted and desktop mounted (with desktop bracket)are optional. 144mm x 198mm x 45mm. Brushed metal Desktop Bracket for 4,3" Hands-Free Display and Guard Unit. Width 125 mm, hight 134 mm and depth 107 mm.

Type	EAN	Description	Package
M2303	6955891802308	Guard unit 4,3" display white handset	1/15
42311D	6955891802261	Desktop bracket Welcome	1/12



# ABB-Welcome door entry system

## Accessories



### System controller

Control the entire system, the "brain" of the individual system. Over-heat protection. Over-current protection. Lightning protection. Two working modes to switch between "all on" and "one on". Up to 50 apartments with one 4,3" indoor station per apartment. As auxiliary BUS power supply when connecting to gateway under certain mode.

Type	EAN	Description	Package
M2300	6955891802278	System controller, Welcome	1/10



### Mini system controller

Control the entire system, the "brain" of the individual system. Over-heat protection. Over-current protection. Lightning protection. Two working modes to switch between "all on" and "one on". For villa, multi-apartment audio system or small video system. As auxiliary BUS power supply when connecting to gateway under certain mode.

Type	EAN	Description	Package
M2301	6955891802285	Mini system controller, Welcome	1/10



### IP-Gateway

For connecting the Busch-ComfortTouch® to a ABB-Welcome system. Also needed when connecting to tablets or smart phones via WLAN or internet.

Type	EAN	Description	Package
83342-500	4011395197561	IP-Gateway, Welcome	1/24



### Relay actuator

1 output for connecting an electronic lock or light. 1 output for local push button. 3 working modes: extend door bell, switch on lightings, door lock release. The switching duration of unlock or switch on lightings is adjustable. Flushmounted pill inside standard installation box.

Type	EAN	Description	Package
M2305	6955891802551	Relay actuator, Welcome	1/18



### Line coupler

5 different modes setting by dip-switches. \* As apartment gateway: enable one apartment as an independent sub-system (2nd confirmed outdoor station can be connected), support up to 99 such systems within the whole system. \* As floor gateway: enable multi-apartments as an independent sub-system (another outdoor station can be connected, for example in front of the door of floor with multi-apartments). \* As building gateway: enable one building as an independent sub-system (outdoor station/guard unit can be connected), support up to 60 such systems within the whole system. \* As auxiliary BUS power supply interface: enable to provide additional power source with another system or mini-system controller. \* As line amplifier: strengthen the video signal and extend transmission distance by 200 meters. DIN Rail mounted: 4U.

Type	EAN	Description	Package
M2302	6955891802292	Line coupler, Welcome	1/10



### Video distributor

Up to 4 way outputs connected to different apartments or different risers. Required when installing stub lines. Flush-mounted inside standard installation box or surface mounted through the hole in the middle of the distributor.

Type	EAN	Description	Package
M2304	6955891802315	Video distributor, Welcome	1/18



### Outdoor video distributor

For connecting several video outdoor stations to the Welcome system controller. Protection class (Device): IP 20. Temperature range (Device): -5 °C - +45 °C. Dimensions: (L x W x D): 90 mm x 36 mm x 65 mm. DIN module width: 2U.

Type	EAN	Description	Package
83325/2-500	4011395152737	Outdoor video distributor	1/18



# Contact us

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